

**§ 421.293**

**BPT LIMITATIONS FOR THE SECONDARY TIN  
SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tin metal pro- duced	
Lead .....	10.520	5.009
Cyanide (total) .....	7.263	3.005
Fluoride .....	876.500	498.400
Tin .....	9.517	5.510
Total suspended solids .....	1,027.000	488.400
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

**§ 421.293 Effluent limitations guide-  
lines representing the degree of ef-  
fluent reduction attainable by the  
application of the best available  
technology economically achiev-  
able.**

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable:

(a) Tin smelter SO<sub>2</sub> scrubber.

**BAT LIMITATIONS FOR THE SECONDARY TIN  
SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of crude tapped tin produced	
Arsenic .....	12.790	5.703
Lead .....	2.575	1.196
Iron .....	11.040	5.611
Tin .....	3.495	2.024

(b) Dealuminizing rinse.

**BAT LIMITATIONS FOR THE SECONDARY TIN  
SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of dealuminized scrap produced	
Lead .....	0.010	0.005
Cyanide (total) .....	0.007	0.003
Fluoride .....	1.225	0.697
Tin .....	0.013	0.008

**40 CFR Ch. I (7–1–06 Edition)**

(c) Tin mud acid neutralization fil-  
trate.

**BAT LIMITATIONS FOR THE SECONDARY TIN  
SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of neutralized dewatered tin mud pro- duced	
Lead .....	1.413	0.656
Cyanide (total) .....	1.009	0.404
Fluoride .....	176.600	100.400
Tin .....	1.918	1.110

(d) Tin hydroxide wash.

**BAT LIMITATIONS FOR THE SECONDARY TIN  
SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tin hydroxide washed	
Lead .....	3.347	1.554
Cyanide (total) .....	2.391	0.956
Fluoride .....	418.400	237.900
Tin .....	4.542	2.630

(e) Spent electrowinning solution  
from new scrap.

**BAT LIMITATIONS FOR THE SECONDARY TIN  
SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cathode tin produced	
Lead .....	4.704	2.184
Cyanide (total) .....	3.360	1.344
Fluoride .....	588.000	334.300
Tin .....	6.384	3.696

(f) Spent electrowinning solution  
from municipal solid waste.

**BAT LIMITATIONS FOR THE SECONDARY TIN  
SUBCATEGORY**

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of MSW scrap used as raw material	
Lead .....	0.033	0.015
Cyanide (total) .....	0.024	0.010

## Environmental Protection Agency

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### BAT LIMITATIONS FOR THE SECONDARY TIN SUBCATEGORY—Continued

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Fluoride .....	4.165	2.368
Tin .....	0.045	0.026

(g) Tin hydroxide supernatant from scrap.

### BAT LIMITATIONS FOR THE SECONDARY TIN SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tin metal recovered from scrap	
Lead .....	15.580	7.233
Cyanide (total) .....	11.130	4.451
Fluoride .....	1,947.000	1,107.000
Tin .....	21.140	21.240

(h) Tin hydroxide supernatant from plating solutions and sludges.

### BAT LIMITATIONS FOR THE SECONDARY TIN SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tin metal recovered from plating solutions and sludges	
Lead .....	32.20	14.95
Cyanide (total) .....	23.00	9.20
Fluoride .....	4,025.00	2,289.00
Tin .....	43.70	25.30

(i) Tin hydroxide filtrate.

### BAT LIMITATIONS FOR THE SECONDARY TIN SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of tin metal produced	
Lead .....	7.012	3.256
Cyanide (total) .....	5.009	2.004
Fluoride .....	876.500	498.400
Tin .....	9.517	5.510

### § 421.294 Standards of performance for new sources.

Any new source subject to this subpart shall achieve the following new source performance standards:

(a) Tin smelter SO<sub>2</sub> scrubber.

### NSPS FOR THE SECONDARY TIN SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of crude tapped tin produced	
Arsenic .....	12.790	5.703
Lead .....	2.575	1.196
Iron .....	11.040	5.611
Tin .....	3.495	2.024
Total suspended solids .....	138.000	110.400
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(b) Dealuminizing rinse.

### NSPS FOR THE SECONDARY TIN SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of dealuminized scrap produced	
Lead .....	0.010	0.005
Cyanide (total) .....	0.007	0.003
Fluoride .....	1.225	0.697
Tin .....	0.013	0.008
Total suspended solids .....	0.525	0.420
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(c) Tin mud acid neutralization filtrate.

### NSPS FOR THE SECONDARY TIN SUBCATEGORY

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of neutralized dewatered tin mud produced	
Lead .....	1.413	0.656
Cyanide (total) .....	1.009	0.404
Fluoride .....	176.600	100.400
Tin .....	1.918	1.110
Total suspended solids .....	75.710	60.560
pH .....	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(d) Tin hydroxide wash.